

**Garrison, Richard**  
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-----Original Message-----

From: Richard Garrison [mailto:rdgarr@emv.edu]

Sent: Monday, May 31, 2004 7:28 AM

To: Mr. Tom Grim

Subject: new programs being proposed at Livermore Lab

Richard Garrison  
1150 Rankin Street  
Stone Mountain, GA 30322

May 31, 2004

Mr. Tom Grim  
DOE, NNSA L-293  
7000 East Ave.  
Livermore, CA 94550

Dear Mr. Grim:

Please consider this letter with my comments on the environmental and proliferation risks from proposed nuclear weapons development and new plutonium and tritium programs at the U.S. Department of Energy's (DOE) Lawrence Livermore National Laboratory (LLNL).

1/04.01

I think that it is vital for the U.S. and the world that we maintain our military and technological advantages.

I support the research and development initiatives for the LLNL. I urge you to move forward quickly, yet carefully.

Do not be swayed by those who do not take into account the larger picture.

Thanks

Sincerely,

Richard Garrison

**Gass, Michael**  
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Dear Mr. Grim,

I am writing because of my ongoing concern about the projects which are designed to lead up to production of nuclear weapons. I have recently learned of the plutonium/atomic vapor laser isotope separation project.

1/04.01

Our health and that of the environment continues to be put at risk due to this research. Not only are there dangers from release of radioactive materials but the proximity of the research facilities to those that work with deadly microbiological puts us at risk of infectious epidemics.

As the experience in Iraq so clearly illustrates, nuclear weaponry is truly outdated.

Sincerely yours,

Michael Gass  
2760 Ganges Pl.  
Davis, CA 95616

Gilbert, Carol  
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Gould, Jeff  
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Dear Mr. Grim,

May 14, 2004

I plead with you to envision a world of right relationships in which all creation is seen as sacred and interconnected.

We are at a critical time in history when humanity is being asked to choose its future.

1/04.01 | My future includes nothing in this  
sinful plan for Livermore.

2/01.01 | The proposal violates international laws  
and treaties which the United States has  
signed.

I am a Roman Catholic sister presently  
incarcerated for misfeeling, effoning and  
symbolically dressing a WHD - a Mcinteman III  
in Colorado.

3/32.04 | Please know that I will not be  
compliant with this ten year plan. I will  
continue to resist these horrendous &  
illegal plans for Livermore.

Our God must be weeping!

Carol Gilbert, OP  
#10856-039 R-1  
Federal Prison Camp  
P.O. Box 2  
Alderson WV 24910

4/27/2004 - Livermore, Ca.

Before DOE public hearings on new nukes @ LLNL:

First, let me thank the DOE for this opportunity to provide input on the proposed future projects at LLNL - which I believe follow a path that is **inappropriate** for our civilization, the 50 mile radius environmental impact area and the planet as a whole! Today is a day like no other in history as I and many others **MUST stand** and object to new weapons - prototyping, test preparations, planning and design at LLNL.

1/02.01 | At an early stage in my life the idea of submitting others to the wrath of a nuclear weapon turned me against the so-called deterrence of the cold war era. Can one honestly claim that nuclear weapons are a rational means of providing "security" from violence, and that their use in the biosphere can be "limited"? The fact that we, (at the end of WWII) as a nation, were capable of such barbarism, such an instant "final solution" of our own, sent the waves of proliferation to the shores of many nations.

Today, ignoring recent **"strategic"** planning which gives legitimacy to the use of a nuclear first strike leaves humanity again poised to: "Become death, the destroyer of worlds".

Some may think this "destroyer" image must be our fate: we are here to shatter such shallow vision among individuals, tribes, nations and the world. We are here as an expression of trust, honest communication and most importantly an understanding that we all continue to depend on each other, **we are all connected!**

Quoting - Dwight D. Eisenhower :

"Every gun that is made, every warship launched, every rocket fired signifies in the final sense, a theft from those who hunger and are not fed, those who are cold and are not clothed. This world in arms is not spending money alone. It is spending the sweat of its laborers, the genius of its scientists, **the hopes of its children**. This is not a way of life at all in any true sense. Under the clouds of war, it is humanity hanging on a cross of iron."

Fairness and human life are not valued more than commerce in smart bombs, military prowess or man's delusional path toward armageddon.

Gould, Jeff  
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**Fundamental questions**, specific to the employment of nuclear and biological weapons technology in our civilization must be honestly and openly addressed if we are to have a chance of ensuring a healthy future for the seventh generation yet unborn.

Neither self-hate nor self-congratulation shall give meaning to the horizon: with civility and shared humanity **we MUST stand!**

In conclusion, with respect and sincerity my message to those "doing a job" drafting the Nuclear Posture Review and implementing it's odious goals, I quote the great American poet - Alan Ginsberg :

- !!!Go f\*\*\* yourself with your atom bomb!!! -

*comments by -*

*- Jeff Gould  
616 Buena Vista Av  
Alameda, Ca. 94501*

Graf, Daniel  
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Thomas Grim  
Livermore Site Manager Document Officer  
NNSA  
7000 East Avenue  
MS L-293  
Livermore, California 94550-9234

cc: Representatives Ellen Taucher, Anna Eshoo, Tom Lantos, and Nancy Pelosi, Senators Diane Feinstein and Barbara Boxer

Wednesday, May 05, 2004

To Mr. Grim,

Thank you for taking comments from the community on the Site-Wide Environmental Impact Statement (SWEIS) for Lawrence Livermore National Laboratory (LLNL). In this letter, I have included my general comments on the plan and have outlined what I believe are gaps in the environmental impact statement.

1/04.01 I will say outright that I am opposed to any program that makes any kind of nuclear weapons "more usable". I've never met anyone from any part of the political spectrum who told me that we needed more weapons on the planet, particularly such destructive weapons. That being said, there are numerous, and what I believe to be substantial, gaps in the environmental analysis. These call into question not only the proposed action, but as well the wisdom of continuing even current levels of weapons research, the "No Action Alternative".

2/01.01 While possibly outside the scope of the SWEIS, it is not mentioned whether expansion of the LLNL would adhere to the Nuclear Non-Proliferation Treaty or the Biological Weapons Convention. In an effort to prevent proliferation of nuclear and biological weapons, this nation has a responsibility to set an example for other nations. Expanding LLNL will do just the opposite, and would likely violate both treaties.

3/01.02 However, more to the point of the SWEIS plan, which lacks important specifics and does have gaps. I would like to elaborate upon these further.

4/23.02 A. Worker Safety  
Exposures resulting from handling accidents were estimated by LLNL to increase the risk of Latent Cancer Deaths by 300% to 500%. This is an unacceptably high figure.

5/23.02 B. Risk Analysis from Aggregate Exposure  
There is growing body of scientific evidence that aggregate or accumulated risks should be accounted for in both workers and for the local population to determine real threat levels for cancers and other disease. These risks are not mentioned in the SWEIS. This suggests a significant gap exists in the threat analysis. Other biological

Graf, Daniel  
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5/23.02 | and chemical hazards exist on and near the facility, so an aggregate cancer study is  
cont. | especially needed.

C. Earthquake Hazards

6/14.01, | LLNL has indicated that 108 buildings are in need of seismic upgrades. Would these  
14.03 | upgrades be completed in time for the proposed expansion? It is well known that  
there are numerous faults in the area. Even a moderate earthquake could cause a  
chemical or nuclear accident of varying degrees. There are two faults within 1 km of  
the lab, one of which produced a moderate earthquake in the last 25 years. Known  
major earthquake faults, capable of producing catastrophic earthquakes, are within 60  
miles of the facility. It is well established that there are *unknown* faults capable of  
major earthquakes. The Northridge Earthquake in 1994 occurred on an unknown  
fault. It makes no sense to expand a facility in a highly seismic area, with a rapidly-  
growing population. Clearly, new geological research is needed to address these very  
real, complicated, and unpredictable seismic risks.

D. Proximity to Growing Population Center

7/17.01, | Both air and water would be adversely affected by an expansion of LLNL operations.  
18.01 | The SWEIS indicates such. Livermore is a populated suburb now, unlike when first  
constructed. There is considerable community debate as to whether it is appropriate to  
be handling even the current administrative limits of hazardous material so close to a  
populated area. The proposed plan is to roughly double the limits for plutonium at  
LLNL, at a time when if anything, plutonium should be phased out at the lab.  
8/33.01 | Plutonium is very difficult to store safely.

9/34.01 | Nor should tritium targets be manufactured in a populated area. Tritiated water is a  
common chemical state of tritium, which makes it easier for it to bind to living cells.  
Tritiated water, even in low doses, has been shown to cause brain damage and  
behavioral damage, and to cause shrinkage of testes and ovaries of the unborn.  
Moreover, tritium escapes easily. So it is unreasonable to propose to expand the use  
of tritium at the facility, particularly in a populated area.

10/23.01 | Risk analysis figures available from LLNL are not convincing. Further disclosure and  
discussion of the airborne and water-borne radiological risks are needed before the  
community can be confident that all the dangers have been adequately addressed. In  
the event that the expansion occurs, it would be difficult to roll back due to costs and  
other commitments. However, population pressures make having a facility like this  
less and less safe for this area. It would seem in 20 if not in 10 years, the dangers  
would become unmanageable due to population growth alone.

E. Potential for Traffic Accidents

11/25.10 | The degree of vehicle traffic in the Livermore area presents yet another problem for  
any expansion plan, or even for the No Action Alternative mentioned in the draft. Far  
more study is needed to evaluate what the potential hazards are, and how many  
people would be threatened in an accident involving transport on public or on private

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11/25.10 | roads. The community needs to better understand the airborne radiological threat to  
cont. | traffic, housing, schools, and local businesses.

F. Other Intangible Accidents

12/25.06 | Even with proper planning, accidents of various types, scales, and severity will occur.  
Some of these accidents may occur due to forces outside of LLNL's control. For  
example, accidents could result from faulty parts purchased from an outside supplier.  
Accidents may occur with equipment that is not properly modeled or perceived to be  
outside the scope of a project. Further discussion and up-to-date studies are needed to  
assess the extent of these risks to the outside, particularly if the facility is going to be  
expanded.

While good engineering has to date prevented many potential accidents, how humans  
behave in an accident scenario is unpredictable. Moreover, failure in a component not  
related to manufacture or testing, say a failure in the air conditioning just as an  
example, may cause failures to downstream systems. It would seem quite difficult to  
account for all possible scenarios in testing, even if planning and design are as good  
as we could expect.

G. Economic Consequences

13/15.01 | In the event of a nuclear accident, in addition to loss of life and casualties, California  
and especially the Bay Area economy could suffer immensely. The Proposed Action  
is a poor investment of resource because as population pressures increase,  
environmental risks, dangers, and consequences will be raised repeatedly even absent  
of an accident. A rollback might become necessary and/or required in the future, so  
why invest the time and dollars now?

14/04.01 | Considering all these factors, and some heretofore unmentioned problem areas such as  
the threat to wildlife along with difficulties with the storage of nuclear waste and other  
hazardous materials, the proposed expansion of LLNL, as described in SWEIS, should be  
rejected. Thank you for taking the time and effort to address these concerns.

Best Regards,



Daniel Graf  
1307 S Mary Ave, #205  
Sunnyvale, CA 94087

Graham, Kellie  
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To Mr Tom Grim, DOE

20 May 2004

Dear Mr Grim:

1/04.01 I am shocked at plans to increase nuclear-weapons activities and double the amount of plutonium at Livermore National Laboratory. I urge you to cancel those plans, and the following are some critical reasons for this.

2/27.01, 33.01 One of these plans was cancelled over ten years ago, on the grounds of being dangerous and unnecessary. This is the Plutonium Atomic Vapor Laser Isotope Separation. This would require a 3-fold increase in the amount of plutonium used in a single room-which would pose grave dangers to public health, and cause serious risks of nuclear nonproliferation in the event some plutonium was stolen.

3/37.01 Another plan involves testing new technologies to manufacture plutonium pits for nuclear weapons. This-jointly with the Modern Pit Facility--would make possible the production of 150-450 bomb cores annually, which is about the double the combined nuclear arsenals of France and China. This program would gravely destabilize and already-hazardous world.

4/26.01, 26.03 As a result of these plans, plutonium, highly-enriched uranium and lithium hydride would be added to experiments in the National Ignition Facility (NIF) when the latter is completed at Livermore. That will in turn increase the possibility of using the NIF to develop nuclear weapons, and create additional public-health risks for workers at Livermore.

5/23.01, 34.01 Under the plans, the amount of tritium in test targets will rise tenfold. Here again there is a serious radiation danger for Livermore workers-particularly given that Livermore has a history of tritium spills, releases and accidents.

6/39.01 The plans call for Livermore to develop diagnostics to "enhance" the readiness of the US to conduct full-scale underground nuclear tests. This will lead the world back to the dangerous days of unrestrained nuclear testing.

7/01.02 The plans provide for an advanced bio-warfare agent facility located at the same area at Livermore as the nuclear-weapons work. This could weaken the international treaty against biological weapons. In addition, at a time of public concern about bioterrorism, the plan could cause the equivalent of a bioterror attack in the event that harmful organisms got out of Livermore. Such an event would threaten not only Livermore workers and residents but millions of people in the nearby Bay Area.

1/04.01 cont. In short, the new plans for Livermore cause very serious problems for public

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1/04.01 health. Further, they make our country LESS safe by aggravating the risk of  
cont. nuclear proliferation, and by contributing to the development, testing and deployment of highly-provocative weapons.

Sincerely yours,

Kellie Graham

**Grandparents for Peace of Rossmoor,  
Robert Hansen  
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I am here representing Grandparents For Peace of Rossmoor. My name is Robert Hansen.

1/32.02 | We believe that nuclear weapons remain the greatest threat to civilization's survival.  
There is NO scenario where the use of nuclear weapons makes sense. Instead of devising new bombs, our country should be leading the way toward elimination Of this blight on mankind.

2/07.01 | The department of Energy could and should be leading the way toward energy independence through perfecting solar and wind power, since everyone knows that fossil fuels will one day run out....not continuing to perfect a class of weapons, the use of which should be too horrible for a sane person to contemplate.

President Bush entertained the idea of dropping a nuclear bomb on Iraq. Rumsfeld stated "We know where the WMD are stored"...suppose we had dropped one on that site where we "knew" they were. We think we're in a mess now. You can't fight terrorism with nuclear arms.

3/02.01 | The labs could serve mankind well by dismantling nukes and devising ways to guard the plutonium and other fissionable materials which could too easily fall into the hands of terrorists. Especially the materials to be found in the former Soviet Union.

The time for converting the labs from war factories to instruments for peace is NOW.

**Gray Panthers of Marin, Louise Aldrich, Co-Convenor  
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**GRAY PANTHERS OF MARIN  
P.O. BOX 2874  
SAN RAFAEL, CA 94912  
APRIL 17, 2004**

Mr. Thomas Grim  
Livermore Site Office Document Manager, NNSA  
7000 East Avenue, MS L-293  
Livermore, CA 94550-9234

Dear Mr. Grim,

We, the Gray Panthers of Marin, are very concerned over the plans you are working on for Lawrence Livermore Lab.

- 1/33.01 | 1. We strongly object to doubling the limit for PLUTONIUM to 3,300 lbs. This can make more that 300 Nuclear Bombs!
- 2/27.01 | 2. We strongly object to the revival of Plutonium atomic vapor laser isotope separation, and especially the 3 fold increase of plutonium that can be used in a single room.
- 3/37.01 | 3. We strongly object to testing for Producing PLUTONIUM PITS for Nuclear Weapons and for the possible production of 900 bomb cores per year.
- 4/26.01 | 4. We strongly object to adding plutonium, highly-enriched uranium and lithium hydride to experiments in the NATIONAL IGNITION FACILITY megalaser. We are against this facility altogether.
- 5/26.04, 34.01 | 5. We strongly object to the manufacture of TRITIUM targets for the NIF megalaser on site at Livermore Lab. This will increase the amount of tritium there from 3 to 30 grams.
- 6/39.01 | 6. We strongly object to the development of diagnostics to enhance the nations's readiness to conduct underground NUCLEAR TESTS.
- 7/35.01 | 7. We strongly object to the plan for a BIO-WARFARE AGENT FACILITY. The lab proposes genetic modification and aerosolization (spraying) with live anthrax, plague and other deadly pathogens.
- 8/02.01 | 8. We strongly object for your plans to produce WEAPONS OF MASS DESTRUCTION at Livermore!

Sincerely,

*Louise Aldrich*  
Louise Aldrich, co-convenor.